



**BUILDING
MOMENTUM
GROUP®**
High-Performance Building Specialists

ACOUSTICS CAPABILITIES

Building MEP System Noise & Vibration Control



The Acoustics Specialists at Building Momentum Group provide all services relating to sound & vibration in buildings and the exterior environment that owners, designers, engineers and contractors might need.

This includes noise and vibration control services for mechanical, electrical, plumbing and fire protection systems. The experienced acousticians and mechanical engineers at BMG make an unbeatable team for meeting your MEP noise & vibration control needs.

1. Customizable Scope

- Complete design, documentation review & construction administration services
- One-time 'peace-of-mind' document reviews
- Post construction verification measurements (background noise & vibration)

2. Criteria Setting & Compliance

- Background noise criteria setting
- Code/standard/guideline compliance
- High performance building systems
- Indoor environmental quality

3. Community Noise Impact

- Research & review applicable local noise ordinances
- Community noise modeling
- Community noise monitoring & measurement
- Noise barrier design

4. Equipment Room Construction

- Wall construction
- Door & gasket selection
- Isolation ceilings
- Slab & floating floor construction
- Penetration details
- Wall/ceiling absorption

5. HVAC Systems

- Equipment type & location
- Vibration isolation
- Duct-borne noise attenuation
- Duct-breakout attenuation
- Air turbulence noise prevention
- Penetration details

6. Other Systems

- Electrical systems noise & vibration control (generators, transformers, ballasts)
- Plumbing systems noise & vibration control (domestic, storm)
- Fire protection system noise & vibration control
- Lifting & conveying systems noise & vibration control